

# Exhibit 1



Biometric and Artificial Intelligence Technologies

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Sitemap | Search:



Home &gt; Company Information

## Company Info

Awards  
Customers  
Distributors  
Contact us

## BIOMETRICS

Large-scale SDKs  
Fingerprint SDKs  
Face SDKs  
Eye iris SDKs  
Voice SDKs  
End user products

## A.I. &amp; ROBOTICS

Research  
Computer vision SDKs  
End user products

## RESOURCES

Product Advisor  
Product Schema  
Forum  
Newsletter  
Download

## ORDERING

Licensing model  
Prices  
Pricing Calculator  
Order Online

## SERVICES

Support  
Software activation  
Duplicates search  
Custom projects

## BUY SCANNERS

at Biometric Supply website

## About Neurotechnology

Neurotechnology provides algorithms and software development products for biometric fingerprint, face, iris, voice and palm print recognition, computer-based vision and object recognition to security companies, system integrators and hardware manufacturers. More than 2,500 system integrators and sensor providers in more than 100 countries license and integrate company's technology into their own products. With millions of customer installations worldwide, Neurotechnology's products are used for both civil and forensic applications, including border crossings, criminal investigations, systems for voter registration, verification and duplication checking, passport issuance and other national-scale projects.

Drawing from years of academic research in the fields of neuroinformatics, image processing and pattern recognition, Neurotechnology was founded in 1990 in Vilnius, Lithuania under the name *Neurotechnologija* and released its first fingerprint identification system in 1991. Since that time the company has released more than 80 products and version upgrades for identification and verification of objects and personal identity.

## Biometrics

With a combination of fast algorithms and high reliability, company's [fingerprint](#), [face](#), [eye iris](#) and [voice](#) biometric technologies can be used for access control, computer security, banking, time attendance control and law enforcement applications, among others.

Neurotechnology's fingerprint identification algorithm has shown one of the best [results](#) for reliability in several biometric competitions, including the International Fingerprint Verification Competition (**FVC2006**, **FVC2004**, **FVC2002** and **FVC2000**) and the National Institute of Standards & Technology (NIST) Fingerprint Vendor Technology Evaluation for the US Department of Justice (**FpVTE 2003**), where Neurotechnology ranked among the top five companies for accuracy in single-finger tests.

The company's [MegaMatcher](#) fingerprint identification engine has been recognized by NIST as fully **MINEX compliant** allowing to use it in U.S. Government Personal Identity Verification program (PIV) fingerprint recognition applications.

[VeriEye](#) iris identification engine has been tested in the **NIST Iris Exchange (IREX) Evaluation** and recognized as one of the most reliably accurate iris recognition algorithms among those tested.

## AI and Robotics

In 2004 Neurotechnology began research in artificial intelligence (AI) and mobile autonomous robotics fields, and in the same year the company's AI division was founded. The division's first product, [SentiSight](#) computer-based vision and object recognition technology, can be used in a variety of applications including image search engines, security systems, manufacturing and robot and machine vision.

Neurotechnology's brochure is available for [download](#).

[Download  
Neurotechnology  
brochure \(PDF\)](#)

## PRODUCTS



**MegaMatcher SDK**  
AFIS or multi-biometric fingerprint, iris, face and voice identification for large-scale systems.  
[Read more](#)



**VeriLook SDK**  
Face identification for PC, mobile and Web solutions.  
[Read more](#)



**VeriFinger SDK**  
Fingerprint identification for PC, mobile and Web solutions.  
[Read more](#)



**VeriEye SDK**  
Iris identification for PC, mobile and Web solutions.  
[Read more](#)



**VeriSpeak SDK**  
Speaker recognition for PC, mobile and Web applications.  
[Read more](#)



**SentiSight SDK**  
Object recognition for robotics and computer vision.  
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## More products for developers:

- **MegaMatcher Accelerator** – biometric solution for fast fingerprint, face and/or iris matching on the server-side of a large-scale multi-biometric system.
- **MegaMatcher On Card SDK** – a product for fingerprint, iris and face matching on smart cards.
- **Free Fingerprint Verification SDK**
- **VeriLook Surveillance SDK** – face recognition for video surveillance systems

## End-user products:

- **NCheck Bio Attendance** – an attendance control application that uses fingerprint or face biometrics to perform employee identification.
- **NVeiler Video Filter** – a plug-in for VirtualDub that automatically detects faces in a frame, tracks the faces (or other objects) in subsequent frames and hides them.
- **NPointer** – a freeware application for gesture- and voice-based computer control that captures hand movements with a webcam and accepts voice commands.

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